

MEMORANDUM

Engineering Division



To: Honorable Mayor and City Council
Through: Charles Lawson, City Manager
From: Greg Armendariz, City Engineer
By: Jaime O. Rodriguez, Traffic Engineering
Subject: Staff Report on Speed Zone Study for Calaveras Blvd/Rd
between I-680 and Evans Rd-Piedmont Rd
Date: November 7, 2005

The City owns, operates and maintains Calaveras Blvd/Rd from I-680 to the easterly City limits. This includes the responsibility of preparing an Engineering & Traffic Survey for the roadway to determine the appropriate speed limit(s). The existing speed zone configurations and posted speed limits on Calaveras Blvd/Rd as defined in the Municipal Code are:

<u>Street</u>	<u>Existing Speed Zone Segment</u>	<u>Existing Posted Speed Limit</u>
Calaveras Blvd	Sinclair Freeway (I-680) to Dempsey Wy	35 MPH
Calaveras Blvd	Dempsey Wy to Temple Dr	35 MPH
Calaveras Blvd/Rd	Temple Dr to East Milpitas City Limits	30 MPH

When an Engineering & Traffic Survey recommends modification to either the speed zone boundaries or speed limits, City Council action is required to adopt the recommendations, which in turn allows police officers to use radar enforcement. The City's practice is to keep surveys current to within five years but the California Vehicle Code only requires that surveys be current to within seven years.

The current speed zone segments in practice and posted speed limits in the field are:

<u>Street</u>	<u>Existing Speed Zone Segment</u>	<u>Existing Posted Speed Limit</u>
Calaveras Blvd	Sinclair Freeway (I-680) to Temple Dr	35 MPH
Calaveras Blvd	Temple Dr to Evans Rd-Piedmont Rd	30 MPH
Calaveras Rd	Evans Rd-Piedmont Rd to Downing Rd	30 MPH
Calaveras Rd	Downing Rd to East Milpitas City Limits	30 MPH

Staff collected speed data at several locations along E Calaveras Blvd in efforts to study the current driving behavior of motorists and to identify the appropriate speed zone boundaries and speed limits in efforts to update the Municipal Code.

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The field data collected by staff is summarized below:

<u>Street/Direction of Travel</u>	<u>Survey Location</u>	<u>Avg. 85% Speed (MPH)</u>
Calaveras Blvd	400-ft West of Park Victoria Dr	40
Calaveras Blvd	300-ft East of Park Victoria Dr	39
Calaveras Blvd	500-ft East of Gadsden Dr	37
Calaveras Blvd	400-ft West of Evans Rd	37
Calaveras Rd	2500-ft East of Evans Rd-Downing Rd	39
Calaveras Rd	2500-ft East of Downing Rd	41

The data shows that motorists drive at fairly consistent speeds along E Calaveras Blvd between I-680 and Evans Rd-Piedmont Rd, average critical speed of about 38-MPH. This should be expected given that the roadway configuration is consistent after the roadway-widening project completed by the City in 2000 between Temple Dr and Evans Rd-Piedmont Rd. Maintaining the existing 35-MPH speed limit west of Temple Dr is appropriate. Increasing the speed limit east of Temple Dr from 30-MPH to 35-MPH to Evans Rd-Piedmont Rd is also appropriate.

On Calaveras Rd between Evans Rd-Piedmont Rd and the Easterly City Limits, the data shows that vehicles are traveling at speeds above the existing posted speed limit of 30-MPH, average critical speed of about 40-MPH. Crash history is low, 7 crashes in a 24-month period for both existing speed zones. The higher speeds are probably due to the fact that the City has implemented street improvements in the past making the street more comfortable for motorists including street resurfacing, street signage, and guardrail improvements. Increasing the existing speed limit in both of these segments from 30-MPH to 35-MPH is appropriate to post speed limits consistent with current driver behavior, to ensure the use of police radar enforcement, and to ensure driver respect for sign restrictions.

Staff is recommending the following new speed zone boundaries and speed limits for Calaveras Blvd/Rd:

<u>Street</u>	<u>Proposed Speed Zone Segment</u>	<u>Proposed Speed Limit</u>
Calaveras Blvd	Sinclair Fwy (I-680) to Evans Rd-Piedmont Rd	35 MPH
Calaveras Rd	Evans Rd-Piedmont Rd to Downing Rd	35 MPH
Calaveras Rd	Downing Rd to East City Limits	35 MPH

If you have any questions, please feel free to contact Jaime Rodriguez in Traffic Engineering at (408) 586-3335.

REGULAR

NUMBER 43.202

TITLE: AN ORDINANCE OF THE CITY COUNCIL OF THE CITY OF MILPITAS
AMENDING
CHAPTER 100, TITLE V OF THE MILPITAS MUNICIPAL CODE RELATED
TO TRAFFIC

HISTORY: This Ordinance was introduced (first reading) by the City Council at its meeting
of _____, 2005, upon motion by Councilmember _____ and was
adopted (second reading) by the City Council at its meeting of _____,
2005, upon motion by Councilmember _____. Said Ordinance was
duly passed and ordered published in accordance with law by the following vote:

AYES:

NOES:

ABSENT:

ABSTAIN:

ATTEST:

APPROVED:

Mary Lavelle, City Clerk

Jose S. Esteves, Mayor

APPROVED AS TO FORM:

Steven T. Mattas, City Attorney

ORDAINING CLAUSE:

THE CITY COUNCIL OF THE CITY OF MILPITAS DOES ORDAIN AS FOLLOWS:

TRAFFIC ORDINANCE NO. 43.202

Section 1.

- A. Chapter 100, Title V, (Traffic) of the Milpitas Municipal Code is hereby amended in the following particulars. Except as expressly amended herein, Chapter 100, Title V of the Milpitas Municipal Code shall be as heretofore enacted and amended.
- B. Section 100-14.01 of the Milpitas Municipal Code "Increase of State Law Maximum Speed" is amended to delete subsection .2.
- C. Section 100-14.02 of the Milpitas Municipal Code "Decrease of State Law Maximum" is amended to delete subsections .11 and .23.
- D. Section 100-14.02 of the Milpitas Municipal Code "Decrease of the State Law Maximum" is amended to include the following subsections:

	Name of Street or Portion Affected	Declared Prima Facie Speed Limit
.70	Calaveras Blvd from Sinclair Freeway (I-680) to Evans Road-Piedmont Road	35 miles per hour
.71	Calaveras Rd from Evans Road-Piedmont Rd to Downing Road	35 miles per hour
.72	Calaveras Rd from Downing Road to Easterly City Limits	35 miles per hour

Section 2. Effective Date and Posting.

In accordance with Section 36937 of the Government Code of the State of California, this Ordinance shall take effect and be in force thirty (30) days from and after the date of its passage. The City Clerk of the City of Milpitas shall cause this Ordinance to be published in accordance with Section 36933 of the Government Code of the State of California.